CLAIMS

1. A printer controller comprising:

a network controller for receiving data from an outside device;

a digital signal processor having a VLIW structure capable of parallel processing; and

a fixed logic LSI for receiving/transmitting data from/to a printer engine, wherein:

respective cyan, magenta, yellow and black as four primary colors are allocated to respective clusters in said VLIW structure and are processed in parallel; and

processed results are transmitted to the printer engine via said fixed logic LSI.

2. The printer controller according to claim 1, wherein:

further comprises an outputting means for continuously outputting a huge volume of data to the printer engine under an instruction from said digital signal processor.

3. A printer controller for processing image data by software comprising:

a network controller for receiving data from an outside device;

a digital signal processor;

a fixed logic LSI for receiving/transmitting data from/to a printer engine; and further

a means for receiving drum temperature data and a history of a printer via the printer engine and for transforming received data into numeric data wherein:

said numeric data is transmitted to the printer engine so that a color table of the printer is adjusted from time to time for a proper printing color tone.

4. The printer controller according to claim 3, wherein:

received image data having peculiar object information in every area via said network controller is processed so as to optimize said image data

for proper printing and to output said optimized image data to the printer engine.